



BASIC DATA ON CATHODE-RAY RECEIVING TUBES (KINESCOPES) WITH MAGNETIC FOCUSING AND MAGNETIC DEFLECTION

CHARACTERISTIC	10LK2B	13LK1B	18LK2B	18LK15	23LK1B	23LK2B	31LK1B
RATED FILAMENT VOLTAGE, V	1.5	6.3	6.3	6.3	6.3	6.3	6.3
MAX " " " V	1.65	7.0	7.0	7.0	7.0	7.0	7.0
MIN " " " V	1.4	5.7	5.7	5.7	5.7	5.7	5.7
FILAMENT CURRENT, A	2.5 ± 0.1	0.55 +0.10 -0.08	0.55 +0.10 -0.08	0.55 +0.10 -0.08	0.55 +0.10 -0.08	0.55 +0.10 -0.08	0.55 +0.10 -0.08
MAX ANODE VOLTAGE, KV	22	9	16	6	9	12	12
MIN " " " KV	18	6	14	--	7	9	8
RATED ANODE VOLTAGE (FOR TYPICAL OPERATION), KV	20	7	15	4	8	10	10
MAX BEAM CURRENT, μA	200	100	100	100	100	100	150
MODULATOR BLOCKING VOLTAGE (*1), V	-50 TO -120	-60 TO -95	-100 TO -140	-15 TO -10	-35 TO -75	-75 TO -125	-35 TO -75
MAX CHANGE OF MODULATOR VOLTAGE, V	40 (*4)	25 (*5)	20 (*6)	30 (*4)	30 (*4)	18 (*5)	30 (*4)
PICTURE SIZE, MM	54 x 72	70 x 93	84 x 112 or 100 x 100	100 x 135	135 x 180	135 x 180 or 160 x 160	180 x 240
SCREEN BRIGHTNESS, MILLISTILBS	100	7	10	3.2	4	3.2	5
PICTURE CONTRAST (*2)	1:40	1:35	1:50	--	1:40	1:40	1:40
MAX CATHODE-TO-FILAMENT VOLTAGE (*3), V	--	--	175	125	125	175	125
LIFE, HRS	--	--	--	500 (*7)	500 (*8)	--	500 (*9)

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- (\*)1 VALUE OF NEGATIVE VOLTAGE ON CONTROL ELECTRODE AT WHICH SCREEN LUMINESCENCE CEASES.
- (\*)2 RATIO OF BRIGHTNESS OF DARKEST SECTION OF PICTURE TO BRIGHTEST
- (\*)3 POTENTIAL OF THE FILAMENT NEGATIVE WITH RESPECT TO CATHODE (THE REVERSE POLARITY IS NOT ALLOWED).
- (\*)4 FOR A BEAM CURRENT VARIATION OF FROM 1 TO 100  $\mu$ A
- (\*)5 " " " " " " " " 1 TO 25  $\mu$ A
- (\*)6 " " " " " " " " 1 TO 20  $\mu$ A
- (\*)7 AT THE END OF SERVICE, SCREEN BRIGHTNESS IS NOT LESS THAN 2.4 MILLIST-LBS FOR A BEAM CURRENT OF 75  $\mu$ A
- (\*)8 " " " " " " " " 2.8 " " " " 35  $\mu$ A
- (\*)9 " " " " " " " " 4.0 " " " " 35  $\mu$ A

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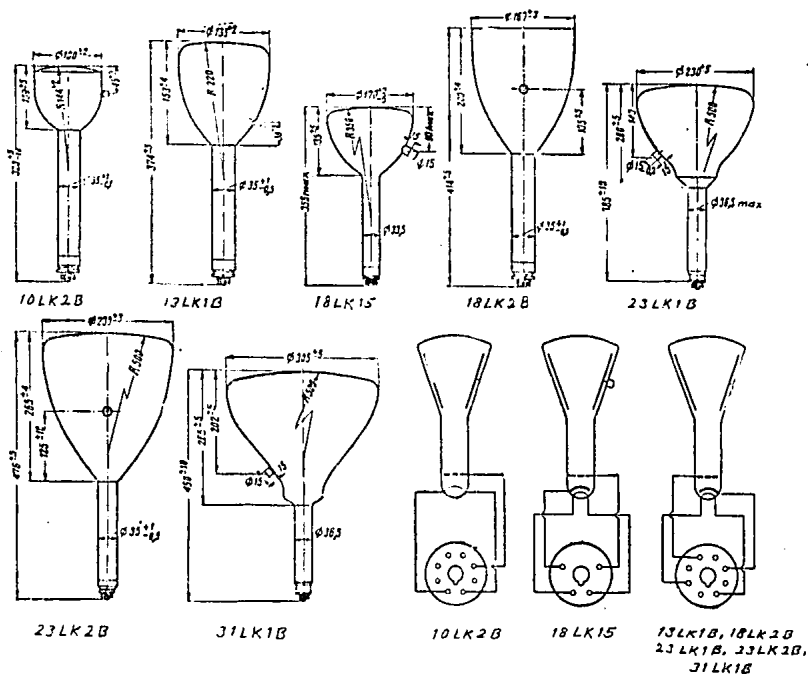
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## Dimensions and Base Diagrams for Soviet Kinescopes

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